

## SEQUENCE LISTING

<110> Downham, Matthew Richard  
Glover, James Francis  
Hanily, Rachel Emma

<120> CJD Prion Testing

<130> DOWN3001/REF

<140> 10/588,078

<141> 2006-07-31

<150> PCT/GB05/00328

<151> 2005-01-27

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<170> PatentIn version 3.4

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Pro Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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Lys Thr Ala Met Lys His Xaa Ala Gly  
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Pro Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
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Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
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Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
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Pro Lys Thr Ala Met Lys His Xaa Ala  
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Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
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Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
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Pro Lys Thr Ala Met Lys His Xaa Ala  
          20                    25

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Lys Thr Ala Met Lys His Xaa Ala  
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Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
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Pro Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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Pro Lys Thr Ala Met Lys Xaa Ala Gly  
20 25

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Lys Thr Ala Met Lys Xaa Ala Gly  
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Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
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Pro Ala Lys Pro Lys Thr Ala Met Lys His Xaa  
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Ala Lys Pro Lys Thr Ala Met Lys His Xaa  
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Lys Pro Lys Thr Ala Met Lys His Xaa  
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Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa  
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1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa  
20 25

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<400> 31

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa  
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<400> 32

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Xaa  
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<400> 33

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala  
20 25

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<400> 34

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala  
20 25

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<400> 35

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Ala  
20 25

<210> 36

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Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1           5           10           15

Pro Lys Thr Ala Met Lys Xaa Ala  
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<210> 37  
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<400> 37

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala  
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<210> 38  
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<400> 38

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Ala  
20 25

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<400> 39

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa Ala  
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<400> 40

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa Ala  
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<400> 41

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys Xaa Gly  
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<400> 42

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Gly  
20 25

<210> 43  
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<400> 43

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Gly  
20 25

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<400> 44

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5                    10                    15

Pro Lys Thr Ala Met Lys Xaa Gly  
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Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Gly  
20 25

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Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Gly  
20 25

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<400> 47

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa Gly  
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<210> 48

<211> 23

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<400> 48

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa Gly  
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<400> 49

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1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
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1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
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<400> 51

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
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<223> Xaa is either Val or Met

<400> 52

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa Gly  
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<211> 27

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<400> 53

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1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
20 25

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<400> 54

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
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Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
20 25

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<223> Xaa is either Val or Met

<400> 55

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa Gly  
20 25

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<211> 24

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<400> 56

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Xaa Gly  
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<400> 57

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys Xaa  
20 25

<210> 58  
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<400> 58

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa  
20 25

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<400> 59

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa  
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Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa  
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<400> 61

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa  
20 25

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<400> 62

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1            5            10            15

Lys Pro Lys Thr Ala Met Lys Xaa  
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<400> 63

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys Xaa  
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<400> 64

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa  
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<400> 65

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

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<400> 66

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

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Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

<210> 68  
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<400> 68

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1           5           10           15

Pro Lys Thr Ala Met Lys His Ala Gly  
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<210> 69  
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<400> 69

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

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Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

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<400> 71

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

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<400> 72

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Ala Gly  
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<400> 73

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys His Ala  
20 25

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Ala Lys Pro Lys Thr Ala Met Lys His Ala  
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Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Ala  
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Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Ala  
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<400> 77

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Ala  
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<400> 78

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Ala  
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Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Ala  
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Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Ala  
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Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys Ala Gly  
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Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Ala Gly  
20 25

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Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala Gly  
20 25

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<400> 84

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15



Pro Lys Thr Ala Met Lys Ala Gly  
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<400> 85

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Ala Gly  
20 25

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<400> 86

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala Gly  
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Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Ala Gly  
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Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
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Lys Thr Ala Met Lys Ala Gly  
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<210> 89

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<400> 89

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys His Gly  
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<400> 90

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Gly  
20 25

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Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Gly  
20 25

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Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
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Pro Lys Thr Ala Met Lys His Gly  
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Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Gly  
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1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Gly  
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1 5 10 15

Pro Lys Thr Ala Met Lys His Gly  
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1 5 10 15

Lys Thr Ala Met Lys His Gly  
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1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys Ala  
20 25

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Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Ala  
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1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala  
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1 5 10 15

Pro Lys Thr Ala Met Lys Ala  
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<400> 101

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Ala  
20 25

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<400> 102

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala  
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<210> 103

<211> 23

<212> PRT

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<400> 103

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Ala  
20

<210> 104  
<211> 22  
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<400> 104

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Ala  
20

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<211> 26  
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<400> 105

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys His  
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<210> 106

<211> 25

<212> PRT

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<400> 106

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His  
20 25

<210> 107  
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<400> 107

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His  
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<210> 108  
<211> 23  
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<400> 108

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His  
20

<210> 109  
<211> 25  
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<400> 109

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His  
20 25

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Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His  
20

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<400> 111

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His  
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<400> 112

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His  
20

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<400> 113

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys Gly  
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<210> 114  
<211> 25  
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<223> /replace="Leu" /replace="Phe"

<400> 114

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Gly  
20 25

<210> 115  
<211> 24  
<212> PRT  
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<400> 115

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Gly  
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<210> 116  
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<400> 116

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Gly  
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<210> 117

<211> 25

<212> PRT

<213> Unknown

<220>

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<223> /replace="Ser"

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<221> VARIANT

<222> (23)..(23)

<223> /replace="Leu" /replace="Phe"

<400> 117

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Gly  
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<210> 118  
<211> 24  
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<400> 118

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Gly  
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<210> 119  
<211> 23  
<212> PRT  
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<223> /replace="Leu" /replace="Phe"

<400> 119

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Gly  
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<210> 120

<211> 22

<212> PRT

<213> Unknown

<220>

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<400> 120

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Gly  
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<210> 121  
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<212> PRT  
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Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys  
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<210> 122  
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<400> 122

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys  
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<210> 123  
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<400> 123

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys  
20 25

<210> 124  
<211> 24  
<212> PRT  
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<400> 124

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys  
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<210> 125  
<211> 23  
<212> PRT  
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<220>  
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<222> (21)..(21)  
<223> /replace="Ser"



<220>  
<221> VARIANT  
<222> (22)..(22)  
<223> /replace="Leu" /replace="Phe"

<400> 125

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys  
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<210> 126  
<211> 22  
<212> PRT  
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<223> /replace="Leu" /replace="Phe"

<400> 126

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys  
20

<210> 127  
<211> 24  
<212> PRT  
<213> Unknown

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<223> /replace="Ser"

<220>  
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<222> (23)..(23)  
<223> /replace="Leu" /replace="Phe"

<400> 127

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys  
20

<210> 128  
<211> 23  
<212> PRT  
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<222> (21)..(21)  
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<220>  
<221> VARIANT  
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<223> /replace="Leu" /replace="Phe"

<400> 128

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys  
20

<210> 129  
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<222> (22)..(22)  
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<222> (23)..(23)  
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<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Val or Met

<400> 129

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
20 25

<210> 130  
<211> 27  
<212> PRT  
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<223> Xaa is either Val or Met

<400> 130

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
20 25

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<223> Xaa is either Val or Met

<400> 131

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
20 25

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<400> 132

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1 5 10 15

Lys Thr Ala Met Lys His Xaa Ala Gly  
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<400> 133

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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<400> 134

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15



Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
20 25

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<400> 135

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Xaa Ala Gly  
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<210> 136  
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<223> Xaa is either Val or Met

<400> 136

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys His Xaa Ala Gly  
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<210> 137

<211> 27

<212> PRT

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<400> 137

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
20 25

<210> 138  
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<400> 138

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1            5            10            15

Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
          20            25

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<400> 139

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys His Xaa Ala  
          20            25

<210> 140  
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<400> 140

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1            5            10            15

Lys Thr Ala Met Lys His Xaa Ala  
20

<210> 141  
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<400> 141

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa Ala  
20 25

<210> 142

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<223> Xaa is either Val or Met

<400> 142

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa Ala  
20 25

<210> 143  
<211> 24  
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<400> 143

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Xaa Ala  
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<210> 144  
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<223> Xaa is either Val or Met

<400> 144

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys His Xaa Ala  
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<210> 145

<211> 27

<212> PRT

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<400> 145

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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<210> 146  
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<223> Xaa can be any naturally occurring amino acid

<400> 146

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1            5            10            15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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<210> 147

<211> 25

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<400> 147

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa Ala Gly  
20 25

<210> 148  
<211> 24  
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<400> 148

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1           5           10           15

Lys Thr Ala Met Lys Xaa Ala Gly  
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<210> 149  
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<400> 149

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Ala Gly  
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<210> 150  
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<400> 150

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa Ala Gly  
20 25

<210> 151  
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<400> 151

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa Ala Gly  
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<210> 152  
<211> 23  
<212> PRT  
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<400> 152

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1            5            10            15

Thr Ala Met Lys Xaa Ala Gly  
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<210> 153  
<211> 26  
<212> PRT  
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<400> 153

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Xaa  
20 25

<210> 154  
<211> 25  
<212> PRT  
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<223> Xaa is either Val or Met

<400> 154

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa  
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<210> 155

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<400> 155

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys His Xaa  
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<400> 156

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1           5           10           15

Lys Thr Ala Met Lys His Xaa  
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<400> 157

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa Ala Gly  
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<210> 158  
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<400> 158

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa  
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<400> 159

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Xaa  
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<400> 160

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys His Xaa  
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<400> 161

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1            5            10            15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Ala  
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<210> 162  
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<223> Xaa is either Val or Met

<400> 162

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Ala  
20 25

<210> 163

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<400> 163

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys Xaa Ala  
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<400> 164

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1            5            10            15

Lys Thr Ala Met Lys Xaa Ala  
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<400> 165

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Ala  
20 25

<210> 166  
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<400> 166

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa Ala  
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<400> 167

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa Ala  
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<210> 168  
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<400> 168

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys Xaa Ala  
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Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa Gly  
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<223> Xaa is either Val or Met

<400> 170

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Gly  
20 25

<210> 171

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Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys Xaa Gly  
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<210> 172  
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Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1            5                    10                    15

Lys Thr Ala Met Lys Xaa Gly  
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<210> 173  
<211> 25  
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<400> 173

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Xaa Gly  
20 25

<210> 174  
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<400> 174

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa Gly  
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<400> 175

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa Gly  
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<210> 176  
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<400> 176

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys Xaa Gly  
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<400> 177

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
20 25

<210> 178  
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<223> Xaa is either Val or Met

<400> 178

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
20 25

<210> 179

<211> 25

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<223> Xaa is either Val or Met

<400> 179

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys His Xaa Gly  
20            25

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<400> 180

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1           5           10           15

Lys Thr Ala Met Lys His Xaa Gly  
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<400> 181

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Xaa Gly  
20 25

<210> 182  
<211> 25  
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<400> 182

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Xaa Gly  
20 25

<210> 183  
<211> 24  
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<400> 183

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Xaa Gly  
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<210> 184  
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<400> 184

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1            5                    10                    15

Thr Ala Met Lys His Xaa Gly  
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<210> 185  
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<400> 185

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Xaa  
20 25

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<400> 186

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1            5            10            15

Lys Pro Lys Thr Ala Met Lys Xaa  
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<210> 187  
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<400> 187

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys Xaa  
20

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<400> 188

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa  
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<210> 189  
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<400> 189

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1            5            10            15

Lys Pro Lys Thr Ala Met Lys Xaa  
20

<210> 190  
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<400> 190

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Xaa  
20

<210> 191  
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<223> Xaa is either Val or Met

<400> 191

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Xaa  
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<210> 192

<211> 21

<212> PRT

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<223> Xaa is either Val or Met

<400> 192

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys Xaa  
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<400> 193

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

<210> 194  
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<400> 194

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1            5            10            15

Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20            25

<210> 195  
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<400> 195

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys His Ala Gly  
          20            25

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<400> 196

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Ala Gly  
20

<210> 197  
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<400> 197

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

<210> 198  
<211> 25  
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<400> 198

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Ala Gly  
20 25

<210> 199  
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<400> 199

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Ala Gly  
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<400> 200

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys His Ala Gly  
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Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Ala  
20 25

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Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Ala  
20 25

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<400> 203

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Ala  
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<211> 23

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Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Ala  
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Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Ala  
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<211> 24

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<400> 206

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Ala  
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<210> 207  
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Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Ala  
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<400> 208

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys His Ala  
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<211> 26  
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Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Ala Gly  
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Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala Gly  
20 25

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<400> 211

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Ala Gly  
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<210> 212  
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<400> 212

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Ala Gly  
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<210> 213  
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<400> 213

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala Gly  
20 25

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<400> 214

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Ala Gly  
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<400> 215

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Ala Gly  
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<400> 216

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys Ala Gly  
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<210> 217  
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<400> 217

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His Gly  
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<210> 218

<211> 25

<212> PRT

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<400> 218

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Gly  
20 25

<210> 219  
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<400> 219

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Gly  
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<210> 220

<211> 23

<212> PRT

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<223> /replace="Leu" /replace="Phe"

<400> 220

Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Gly  
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<400> 221

Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His Gly  
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<400> 222

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His Gly  
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<210> 223  
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<400> 223

Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His Gly  
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<210> 224  
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<400> 224

Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro Lys  
1 5 10 15

Thr Ala Met Lys His Gly  
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<210> 225  
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<400> 225

Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Ala  
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<210> 226  
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<400> 226

Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala  
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<210> 227  
<211> 23  
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<400> 227

Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Ala  
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<210> 228  
<211> 22  
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<400> 228

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1 5 10 15

Lys Thr Ala Met Lys Ala  
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<210> 229  
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<400> 229



Gly Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Ala  
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<210> 230  
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<400> 230

Gly Gly Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Ala  
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<210> 231  
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<223> /replace="Leu" /replace="Phe"

<400> 231

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1            5            10            15

Pro Lys Thr Ala Met Lys Ala  
20

<210> 232

<211> 22

<212> PRT

<213> Unknown

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<400> 232

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Ala  
20

<210> 233  
<211> 26  
<212> PRT  
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<223> /replace="Leu" /replace="Phe"

<400> 233

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1 5 10 15

Pro Ala Lys Pro Lys Thr Ala Met Lys His  
20 25

<210> 234

<211> 25

<212> PRT

<213> Unknown

<220>

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<223> /replace="Leu" /replace="Phe"

<400> 234

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His  
20 25

<210> 235  
<211> 24  
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<400> 235

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His  
20

<210> 236  
<211> 23  
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<400> 236

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His  
20

<210> 237  
<211> 25  
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<222> (23)..(23)  
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<400> 237

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys His  
20 25

<210> 238  
<211> 24  
<212> PRT  
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<222> (22)..(22)  
<223> /replace="Leu" /replace="Phe"

<400> 238

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys His  
20

<210> 239  
<211> 23  
<212> PRT  
<213> Unknown

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<400> 239

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys His  
20



<210> 240  
<211> 22  
<212> PRT  
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<400> 240

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys His  
20

<210> 241  
<211> 26  
<212> PRT  
<213> Unknown

<220>  
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<400> 241

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1            5            10            15

Pro Ala Lys Pro Lys Thr Ala Met Lys Gly  
20            25

<210> 242  
<211> 25  
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<213> Unknown

<220>  
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<220>  
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<222> (23)..(23)  
<223> /replace="Leu" /replace="Phe"

<400> 242

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Gly  
20 25

<210> 243  
<211> 24  
<212> PRT  
<213> Unknown

<220>  
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<223> /replace="Leu" /replace="Phe"

<400> 243

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Gly  
20

<210> 244  
<211> 23  
<212> PRT  
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<220>  
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<222> (21)..(21)  
<223> /replace="Leu" /replace="Phe"

<400> 244

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Gly  
20

<210> 245  
<211> 25  
<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

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<222> (17)..(17)

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<220>

<221> VARIANT

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<221> VARIANT

<222> (23)..(23)

<223> /replace="Leu" /replace="Phe"

<400> 245

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys Gly  
20 25

<210> 246

<211> 24

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

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<400> 246

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys Gly  
20

<210> 247  
<211> 23  
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<223> /replace="Leu" /replace="Phe"

<400> 247

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys Gly  
20

<210> 248

<211> 22

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

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<220>

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<223> /replace="Ser"

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<222> (19)..(19)

<223> /replace="Ser"

<220>

<221> VARIANT

<222> (20)..(20)

<223> /replace="Leu" /replace="Phe"

<400> 248

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys Gly  
20

<210> 249  
<211> 22  
<212> PRT  
<213> Unknown

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<400> 249

Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys  
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<210> 250  
<211> 21  
<212> PRT  
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<400> 250

Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys Pro  
1 5 10 15

Lys Thr Ala Met Lys  
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<210> 251  
<211> 25  
<212> PRT  
<213> Unknown

<220>  
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<220>  
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<222> (24)..(24)  
<223> /replace="Leu" /replace="Phe"

<400> 251

Gly Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys  
1           5           10           15

Pro Ala Lys Pro Lys Thr Ala Met Lys  
         20           25

<210> 252  
<211> 24  
<212> PRT  
<213> Unknown

<220>  
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<220>  
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<220>  
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<222> (23)..(23)  
<223> /replace="Leu" /replace="Phe"

<400> 252

Gly Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys  
20

<210> 253  
<211> 23  
<212> PRT  
<213> Unknown

<220>  
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<400> 253

Gly Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys  
20

<210> 254  
<211> 22  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

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<220>  
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<223> /replace="Leu" /replace="Phe"

<400> 254

Trp Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala Lys  
1 5 10 15

Pro Lys Thr Ala Met Lys  
20

<210> 255  
<211> 24  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

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<220>  
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<400> 255

Gly Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro  
1 5 10 15

Ala Lys Pro Lys Thr Ala Met Lys  
20

<210> 256  
<211> 23  
<212> PRT  
<213> Unknown

<220>  
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<220>  
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<400> 256

Gly Gly Gly Gln Gly Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ala  
1 5 10 15

Lys Pro Lys Thr Ala Met Lys  
20

<210> 257  
<211> 23  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 257

Gly Gln Gly Gly Ser His Ser Gln Trp Asn Lys Pro Ser Lys Pro Thr  
1 5 10 15

Asn Met Lys His Val Gly Cys  
20

<210> 258  
<211> 31  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (30)..(30)  
<223> Xaa is either Gly or Thr

<400> 258

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly

1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
20 25 30

<210> 259  
<211> 30  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (29)..(29)  
<223> Xaa is either Gly or Thr

<400> 259

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
20 25 30

<210> 260  
<211> 29  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (28)..(28)  
<223> Xaa is either Gly or Thr

<400> 260

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
20 25

<210> 261

<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
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<223> Xaa is either Gly or Thr

<400> 261

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
20 25

<210> 262  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Gly or Thr

<400> 262

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
20 25

<210> 263  
<211> 30  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30



<220>  
<221> Xaa  
<222> (29)..(29)  
<223> Xaa is either Gly or Thr

<400> 263

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
20 25 30

<210> 264  
<211> 29  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (28)..(28)  
<223> Xaa is either Gly or Thr

<400> 264

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
20 25

<210> 265  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 265

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly

1            5            10            15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa Trp  
          20            25

<210> 266  
<211> 30  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (30)..(30)  
<223> Xaa is either Gly or Thr

<400> 266

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1            5            10            15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
          20            25            30

<210> 267  
<211> 29  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (29)..(29)  
<223> Xaa is either Gly or Thr

<400> 267

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1            5            10            15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
          20            25

<210> 268

<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (28)..(28)  
<223> Xaa is either Gly or Thr

<400> 268

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
20 25

<210> 269  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 269

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
20 25

<210> 270  
<211> 26  
<212> PRT  
<213> Unknown

<220>  
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<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Gly or Thr

<400> 270

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
20 25

<210> 271  
<211> 29  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (29)..(29)  
<223> Xaa is either Gly or Thr

<400> 271

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
20 25

<210> 272  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (28)..(28)  
<223> Xaa is either Gly or Thr

<400> 272

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro

1            5            10            15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
          20                25

<210> 273

<211> 27

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (27)..(27)

<223> Xaa is either Gly or Thr

<400> 273

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1            5            10            15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Xaa  
          20                25

<210> 274

<211> 30

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (29)..(29)

<223> Xaa is either Gly or Thr

<400> 274

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1            5            10            15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
          20                25                30

<210> 275

<211> 29  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (28)..(28)  
<223> Xaa is either Gly or Thr

<400> 275

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
20 25

<210> 276  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 276

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
20 25

<210> 277  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Gly or Thr

<400> 277

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
20 25

<210> 278  
<211> 26  
<212> PRT  
<213> Unknown

<220>  
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<220>  
<221> Xaa  
<222> (25)..(25)  
<223> Xaa is either Gly or Thr

<400> 278

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
20 25

<210> 279  
<211> 29  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (28)..(28)  
<223> Xaa is either Gly or Thr

<400> 279

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser

1            5            10            15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
          20            25

<210> 280  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
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<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 280

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1            5            10            15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
          20            25

<210> 281  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Gly or Thr

<400> 281

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1            5            10            15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa Trp  
          20            25

<210> 282



<211> 29  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (29)..(29)

<223> Xaa is either Gly or Thr

<400> 282

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1            5                    10                    15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
          20                    25

<210> 283  
<211> 28  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (28)..(28)

<223> Xaa is either Gly or Thr

<400> 283

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1            5                    10                    15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
          20                    25

<210> 284  
<211> 27  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 284

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
20 25

<210> 285  
<211> 26  
<212> PRT  
<213> Unknown

<220>  
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<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Gly or Thr

<400> 285

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
20 25

<210> 286  
<211> 25  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (25)..(25)  
<223> Xaa is either Gly or Thr

<400> 286

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly

1            5            10            15

Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
          20            25

<210> 287  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (28)..(28)  
<223> Xaa is either Gly or Thr

<400> 287

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1            5            10            15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
          20            25

<210> 288  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 288

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1            5            10            15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
          20            25

<210> 289

<211> 26  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (26)..(26)

<223> Xaa is either Gly or Thr

<400> 289

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Xaa  
20 25

<210> 290  
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<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (28)..(28)

<223> Xaa is either Gly or Thr

<400> 290

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
20 25

<210> 291  
<211> 28  
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<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 291

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
20 25

<210> 292  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
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<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Gly or Thr

<400> 292

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
20 25

<210> 293  
<211> 26  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (25)..(25)  
<223> Xaa is either Gly or Thr

<400> 293

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly

1            5            10            15

Gly Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
          20            25

<210> 294  
<211> 25  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (24)..(24)  
<223> Xaa is either Gly or Thr

<400> 294

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1            5            10            15

Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
          20            25

<210> 295  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
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<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 295

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1            5            10            15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
          20            25

<210> 296

<211> 27  
<212> PRT  
<213> Unknown

<220>  
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<221> Xaa  
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<223> Xaa is either Gly or Thr

<220>  
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<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 296

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
20 25

<210> 297  
<211> 26  
<212> PRT  
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<221> Xaa  
<222> (25)..(25)  
<223> Xaa is either Gly or Thr

<400> 297

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Xaa Trp  
20 25

<210> 298  
<211> 28  
<212> PRT  
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<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (28)..(28)

<223> Xaa is either Gly or Thr

<400> 298

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa  
20 25

<210> 299

<211> 27

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (27)..(27)

<223> Xaa is either Gly or Thr

<400> 299

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa  
20 25

<210> 300

<211> 26

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (26)..(26)



<223> Xaa is either Gly or Thr

<400> 300

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa  
20 25

<210> 301

<211> 25

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (25)..(25)

<223> Xaa is either Gly or Thr

<400> 301

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Xaa  
20 25

<210> 302

<211> 24

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<220>

<221> Xaa

<222> (24)..(24)

<223> Xaa is either Gly or Thr

<400> 302

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Xaa  
20

<210> 303  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<220>  
<221> Xaa  
<222> (27)..(27)  
<223> Xaa is either Gly or Thr

<400> 303

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa  
20 25

<210> 304  
<211> 26  
<212> PRT  
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<220>  
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<220>  
<221> Xaa  
<222> (26)..(26)  
<223> Xaa is either Gly or Thr

<400> 304

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Xaa  
20 25

<210> 305  
<211> 25  
<212> PRT  
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<220>

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<220>

<221> Xaa

<222> (25)..(25)

<223> Xaa is either Gly or Thr

<400> 305

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Xaa  
20 25

<210> 306

<211> 30

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 306

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25 30

<210> 307

<211> 29

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 307

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25

<210> 308  
<211> 28  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 308

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25

<210> 309  
<211> 27  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 309

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25

<210> 310  
<211> 26  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 310

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25

<210> 311  
<211> 29

<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 311

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25

<210> 312  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 312

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25

<210> 313  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 313

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp  
20 25

<210> 314  
<211> 29  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 314

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 315

<211> 28

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 315

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 316

<211> 27

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 316

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 317

<211> 26

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 317

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 318

<211> 25

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 318

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 319

<211> 28

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 319

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 320

<211> 27

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 320

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 321

<211> 26

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 321

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly  
20 25

<210> 322

<211> 29

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 322

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 323

<211> 28

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 323



Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 324  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
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<400> 324

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 325  
<211> 26  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 325

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 326  
<211> 25  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 326

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 327  
<211> 28  
<212> PRT  
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<220>  
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<400> 327

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 328  
<211> 27  
<212> PRT  
<213> Unknown

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<400> 328

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 329  
<211> 26  
<212> PRT  
<213> Unknown

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<400> 329

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Trp  
20 25

<210> 330  
<211> 28  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 330

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly  
20 25

<210> 331  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 331

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly  
20 25

<210> 332  
<211> 26  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 332

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly  
20 25

<210> 333  
<211> 25  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 333

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly  
20 25

<210> 334  
<211> 24  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 334

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Gly  
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<210> 335  
<211> 27  
<212> PRT  
<213> Unknown

<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 335

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly  
20 25

<210> 336  
<211> 26  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 336

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1            5            10            15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly  
          20            25

<210> 337  
<211> 25  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 337

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1            5            10            15

Gly Asn Arg Tyr Pro Pro Gln Gly Gly  
          20            25

<210> 338  
<211> 28  
<212> PRT  
<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 338

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1            5            10            15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Trp  
          20            25

<210> 339  
<211> 27

<212> PRT  
<213> Unknown

<220>

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<400> 339

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Trp  
20 25

<210> 340  
<211> 26  
<212> PRT  
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<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 340

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Gly Gly Asn Arg Tyr Pro Pro Gln Gly Trp  
20 25

<210> 341  
<211> 25  
<212> PRT  
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<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 341

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Trp  
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<210> 342  
<211> 24  
<212> PRT  
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<220>

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<400> 342

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly Trp  
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<400> 343

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1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Trp  
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<223> polypeptide corresponding to a section of PrP27-30

<400> 344

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Gly Gly Asn Arg Tyr Pro Pro Gln Gly Trp  
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<210> 345

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<212> PRT

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<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 345

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly Trp  
20 25

<210> 346

<211> 27

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 346

Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly  
1 5 10 15

Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly  
20 25

<210> 347

<211> 26

<212> PRT

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<223> polypeptide corresponding to a section of PrP27-30

<400> 347

Pro Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly  
20 25

<210> 348

<211> 25

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30



<400> 348

Pro Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly  
20 25

<210> 349

<211> 24

<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 349

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly  
1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly  
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<210> 350

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<212> PRT

<213> Unknown

<220>

<223> polypeptide corresponding to a section of PrP27-30

<400> 350

Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly  
1 5 10 15

Asn Arg Tyr Pro Pro Gln Gly  
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<210> 351

<211> 26

<212> PRT

<213> Unknown

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<223> polypeptide corresponding to a section of PrP27-30

<400> 351

Gly Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser  
1 5 10 15

Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly  
20 25

<210> 352  
<211> 25  
<212> PRT  
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<400> 352

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly  
20 25

<210> 353  
<211> 24  
<212> PRT  
<213> Unknown

<220>  
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<400> 353

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1 5 10 15

Gly Asn Arg Tyr Pro Pro Gln Gly  
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<210> 354  
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<212> PRT  
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<220>  
<223> polypeptide corresponding to a section of PrP27-30

<400> 354

Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro  
1 5 10 15

Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Cys  
20 25

